

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Ji Woong Ryu  
Serial No.: Not Yet Assigned  
For: AN INTERNAL ANTENNA FOR A MOBILE HANDSET  
Filed: Herewith  
Examiner: Not Yet Assigned  
Art Unit: Not Yet Assigned  
Confirmation No.: Not Yet Assigned  
Customer No.: 27623

Attorney Docket No.: 0001615/2242USU

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with applicant's duty of disclosure under 37 C.F.R. §1.56, we are enclosing form PTO-1449 listing information that may be material to the patentability of this application.

Cited in the attached PTO-1449 are U.S. Patent Nos. 6,111,545; 6,476,769; 6,498,586 and U.S. Publication No.: 2002/0080076 A1.

PCT Publication Nos: WO 01/11721 A1; WO 02/50948 A1 and WO 98/149742.

Korean Publication Nos.: 2002-0026361; 2003-0053526; 2003-0003647  
2003-0046049 and Japanese Publication No.: JP10209732.

Pursuant to the waiving of the requirement of 37 CFR 1.98 (a)(2)(i), copies of these U.S. references are not enclosed.

It is applicant's belief that none of the above citations describe that which is claimed in the present invention.

It should be understood that attention has been called to the citations that have been deemed to be pertinent to the claimed present invention. In concluding what was pertinent, the criteria employed was considered most appropriate in light of the invention shown in the present application. However, the Examiner or others may deem some other criteria to be just as appropriate or more appropriate. Therefore, the Examiner is respectfully urged to review the listed citations and to make the usual careful independent search for other prior art that may be pertinent.

Since this Information Disclosure Statement is being filed within three months of the filing date of the application, no petition or fee is required.

Applicant respectfully requests favorable consideration and that this application be passed to allowance.

Respectfully submitted,



Date: March 26, 2004

Charles N.J. Ruggiero  
Reg. No. 28,468  
Attorney for Applicant(s)  
Ohlandt, Greeley, Ruggiero & Perle, L.L.P.  
One Landmark Square, 10th Floor  
Stamford, CT 06901-2682  
(203) 327-4500

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<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)	Docket Number (Optional)	Application Number
	0001615/2242USU	Not Yet Assigned
	Applicant	
	Ji Woong Ryu	
	Filing Date	Group Art Unit
	March 26, 2004	Not Yet Assigned

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2002/0080076 A1	6/27/02	Kamei et al.	343	700	
	US 6,111,545	8/29/00	Saari	343	702	
	US 6,476,769 B1	11/5/02	Lehtola	343	702	
	US 6,498,586 B2	12/24/02	Pankinaho	343	700	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	WO 01/11721 A1	2/15/01	PCT				
	WO 02/50948 A1	6/27/02	PCT				
	WO 98/49742	11/5/98	PCT				
	2002-0026361	4/9/02	Korea				
	2003-0053526	6/28/03	Korea				

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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Sheet 2 of 2

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## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	2003-0003647	1/10/03	Korea			X	
	2003-0046049	6/12/03	Korea			X	
	JP10209732	8/7/98	Japan			X	

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)


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